

sub 96

CLAIMS

*Sub B*

1. Electric motor including a stator and a rotor which includes at least a stack of laminations (2) layered by sheets and provided with slots (8) for receiving rotor windings, characterized in that at the end face (3, 4) of at least one stack of laminations (2) at least one rotor end sheet (5) is provided which is made of high-strength fine-grain structural steel and exhibits, at least in proximity of the rotor axis, the geometric shape of the sheets layered in the stack of laminations (2).

2. Electric motor according to claim 1, characterized in that the slots (8) of the rotor end sheet (5) are closed.

3. Electric motor according to claim 1, characterized in that the slots (8) of the rotor end sheet (5) have, at least some, leakage orifices (9).

*sub a1*

4. Electric motor according to one of the preceding claims, characterized in that the electric motor is a high-speed, heavy-duty asynchronous motor.